



[EPA Home](#)

[A-Z Index](#)

[Cleanup Home](#)

[Superfund Home](#)

[Brownfields Home](#)

[Corrective Action Home](#)

[Find New England Sites](#)

Waste Site Cleanup & Reuse in New England

Serving Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont & 9 Tribal Nations

[EPA Home](#) > [EPA Home](#) > [Cleanup](#) > [Find NE Sites](#) > STRATFORD ARMY ENGINE PLANT

[Table of Contents:](#)

[Advanced Search](#)

Go to....

Site Type: RCRA Corrective Action

STRATFORD ARMY ENGINE PLANT

STRATFORD, Connecticut

Fairfield County

Street Address: 550 South Main Street

Zip Code: 06497

Congressional

District(s): 03

EPA ID #: CTD001181502

Site ID #: 0101823

Site Alias:

Environmental Current Human Exposures

Indicators Status: Under Control = YES,
Groundwater Release Under
Control = NO

Description

[\[Back to Top\]](#)

The Army Engine Plant/Stratford (AEP/S) property is located at 550 South Main Street in Stratford, Fairfield County, Connecticut. The 126-acre AEP/S property is occupied by a U.S. government-owned, contractor-operated manufacturing facility comprising numerous manufacturing buildings. The operator was Textron Lycoming, a Division of AVCO Corporation, a contractor to the U.S. Army Aviation Systems Command. The AEP/S property is bordered by industrial properties to the north; the Housatonic River to the east; a marsh (formerly used as a landfill area) to the south; and Sikorsky Memorial Airport to the west.

Prior to 1927, the AEP/S property was farmland. The property was developed in 1927 for Sikorsky Aircraft and was owned by the Air Force through 1976. In 1976, ownership was transferred to the U.S. Army. Aircraft and engines have been manufactured at the AEP/S facility since 1929, using general metal working, plating, metal finishing, and metal cleaning processes. The wastes generated by AEP/S included waste oil, fuels, solvents, and paints. An on-site chemical waste treatment plant was used to treat waste generated at the AEP/S facility, which released effluent to the Housatonic River under a National Pollutant Discharge Elimination System (NPDES) permit. Beginning in 1980, lagoons on the AEP/S facility were regulated under the Resource Conservation and Recovery Act (RCRA) and part of a Treatment, Storage, or Disposal Facility. The lagoons were closed under RCRA

during the 1980s. The AEP/S facility was cited in 1983 for violations of the Toxic Substances Control Act regarding reporting of polychlorinated biphenyl (PCB)-containing transformers.

Numerous investigations have been performed by contractors to Textron Lycoming and the U.S. Army, including subsurface investigations in 1981, 1983, 1985, and 1986; a 1991 Environmental Baseline Survey/Preliminary Assessment Screening; a 1993 Remedial Investigation Report; and a 1996 Environmental Baseline Survey Report. These investigations identified the following areas of environmental concern: Intertidal Flats where runoff and effluent have contaminated sediments with PCBs and metals; a Shoreline Fill Area where subsurface soil and groundwater are contaminated with fuel-related and halogenated volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and metals; the Plating and Manufacturing Area, where “greenish-blue” groundwater pumped from the area has been documented to contain metals (including chromium and lead), halogenated VOCs, PAHs, and cyanide; the Building B-2/North Parking Lot/West Parking Lot area, where subsurface soils comprise ash and cinder fill and contain PAHs and groundwater is contaminated with halogenated VOCs; Building B-65, where chromium- and petroleum-contaminated soils were discovered; the Research and Development Area, where subsurface soil and groundwater contamination is suspected; the South Parking Lot/Chemical Waste Treatment Plant/Closed Lagoons area, where halogenated VOCs and metals have been detected in groundwater; and the Testing Area, where subsurface soils are contaminated with fuel-related and halogenated VOCs and PAHs, and groundwater is contaminated with halogenated VOCs.

The depth to groundwater in overburden is 4 to 11 feet below ground surface and groundwater flow direction beneath the AEP/S property is northeast, toward the Housatonic River, where groundwater discharges to surface water. The nearest private groundwater supply is estimated to be located between 2 and 3 miles from the AEP/S property. Numerous monitoring wells are located downgradient of the sources on the AEP/S property. Samples collected from the monitoring wells have detected fuel-related and halogenated VOCs and metals attributable to releases from the AEP/S property.

The AEP/S property is located within the 100-year floodplain of the Housatonic River. Runoff from the AEP/S property flows to the Housatonic River. The Housatonic River discharges within one-half mile downstream of the AEP/S property to Long Island Sound. Surface water and sediment samples have been collected downstream of the AEP/S property, which document contamination with halogenated VOCs, PCBs, and metals.

Access to the property is completely restricted by fences and gates. The nearest residence to the AEP/S property is located 2,500 feet south of the AEP/S property. Shallow soil samples collected on the AEP/S property document the presence of hazardous substances, including, VOCs, PAHs, PCBs, and metals in soils on the property.

Current Status

[\[Back to Top\]](#)

All manufacturing operations at the facility have ceased. Some office space is leased to the Defense Contracting Auditing Agency and personnel involved with site security, building maintenance, and site remediation are present on site. Investigation of the site to characterize the nature and extent of releases, evaluate risks, and determine a cleanup strategy are ongoing. The Connecticut Department of Energy and Environmental Protection has the lead role in oversight of the remediation of this site.

Photos

[\[Back to Top\]](#)





Links to Other Information

[\[Back to Top\]](#)

[Disclaimer](#)

[Instructions about PDF](#) 

[Click Here To View Publicly Available Documents For This Site.](#)

Public Record Locations

[\[Back to Top\]](#)

OSRR Records and Information Center, 1st Floor, 5 Post Office Square, Suite 100 (HSC), Boston, MA 02109-3912 (617) 918-1440

Contacts

[\[Back to Top\]](#)

EPA Project Manager

Address:

Phone #:

E-Mail Address:

Edgar Davis

US Environmental Protection Agency

5 Post Office Square, Suite 100

Mail Code: OSRR07-3

Boston, MA 02109-3912

617-918-1379

davis.edgar@epa.gov

State Contact

Address:

Phone #:

E-Mail Address:

Ken Feathers

CT Dept. of Energy and Environmental Protection

79 Elm Street

Hartford, CT 06106-5127

860-424-3770

Facility Contact

Address:

Phone #:

E-Mail Address:

Wes Laparl

550 S. Main Street, Stratford, CT 06497

203-385-4316

Serving [Connecticut](#), [Maine](#), [Massachusetts](#), [New Hampshire](#), [Rhode Island](#), [Vermont](#), & [10 Tribal Nations](#)

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

Last updated on Tuesday, May 31st, 2016
Fact Sheet accessed from: <http://www.epa.gov/region1/superfund/sites>